

INTERNATIONAL SEARCH REPORT

International application No.

PCT/NO 2003/000423

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: E21B 43/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5544672 A (R.L. PAYNE ET AL), 13 August 1996 (13.08.1996), whole document --	1-6,8,10-15
X	WO 0246577 A1 (ABB RESEARCH LTD.), 13 June 2002 (13.06.2002), claims and figures --	1,3-6,10-12, 15
A	US 5708211 A (W.P. JEPSON ET AL), 13 January 1998 (13.01.1998) --	1-16
A	US 5154078 A (D. CODAZZI), 13 October 1992 (13.10.1992) -- -----	1-16

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"B" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

22 March 2004

Date of mailing of the international search report

23-03-2004

Name and mailing address of the ISA/
 Swedish Patent Office
 Box 5055, S-102 42 STOCKHOLM
 Facsimile No. +46 8 666 02 86

Authorized officer

Christer Bäcknert / MRo
 Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

Information on patent family members

27/02/2004

International application No.

PCT/NO 2003/000423

US	5544672	A	13/08/1996	NONE		
WO	0246577	A1	13/06/2002	AU	2232302 A	18/06/2002
				EP	1348065 A	01/10/2003
				NO	313677 B	11/11/2002
				NO	20006208 A	07/06/2002
US	5708211	A	13/01/1998	AU	3474197 A	05/01/1998
				WO	9745716 A	04/12/1997
US	5154078	A	13/10/1992	CA	2045932 A,C	30/12/1991
				DE	69106246 D	00/00/0000
				DE	69129045 D	00/00/0000
				EP	0466229 A,B	15/01/1992
				EP	0621397 A,B	26/10/1994
				MX	9100040 A	31/01/1994
				NO	306219 B	04/10/1999
				NO	306220 B	04/10/1999
				NO	306270 B	11/10/1999
				NO	912564 A	30/12/1991
				NO	970446 A	30/12/1991
				NO	970447 A	30/12/1991
				US	5275040 A	04/01/1994